

Amendments to the Specification:

Please replace the paragraph which appears on page 1, line 13 and ends on line 26, with the following rewritten paragraph:

Field devices are normally connected via a data or field bus with superordinated control units, e.g. process control systems PCS or an engineering system, from which the process activity is controlled or monitored, and also from which direct access to individual field devices is possible. As a result of the direct access to the field device, settings at the field device can be changed from the control unit, or diagnostic functions of the field device can be called up. In the control unit, the measurement values of the different sensors are evaluated or monitored, and, for process control, the appropriate actuators are activated. Data transfer between field device and control units is carried out according to known international standards for field buses, such as e.g. HART®, Foundation Fieldbus®, Profibus®, or CAN-Bus®, etc.

Please replace the paragraph which appears on page 3, line 18 and ends on page 4, line 1, with the following rewritten paragraph:

Fig. 1 shows a process automation installation with multiple field devices F1, F2, F3, which are connected with a firm, or company, network by way of a data or field bus D and a gateway G. The field devices F1, F2, F3 can be e.g. pressure meters, temperature meters, or flow rate meters, etc. In addition to the field devices, a remote I/O is also connected to the data bus. By way of the remote I/O, HART® field devices can be connected to the data bus D. The data bus can be e.g. a Foundation Fieldbus® H1-bus. The firm network F works e.g. according to the Ethernet standard (TCP/IP protocol). Two computers (e.g. workstations or

PCs) PC1, PC2 are connected to the firm network F as control units, which serve for the control, engineering, or monitoring of the process system. Furthermore, the firm network F is connected with a firewall IS, which communicates via the Internet I with a remote server S.